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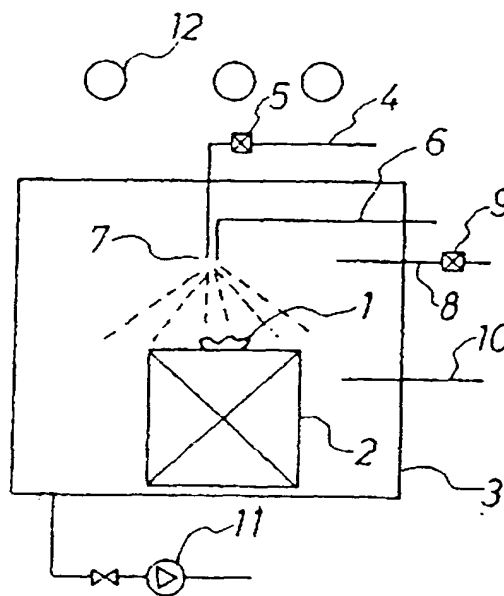
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INVENTOR : KASHIMURA TOSHIMASA;

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TITLE : LIQUID CULTURE OF FUNGI AND  
APPARATUS THEREFOR



ABSTRACT : PURPOSE: To control optimally culture environments by providing the support inoculated with seeds, with a couple of means for feeding the culture medium and an oxygen-containing gas, respectively and atomizing them.

CONSTITUTION: A support 2 is inoculated with seeds 1 in the culture vessel 3. Sterilized air passed through sterilization filter 5 is introduced through inlet 4 and the sterilized culture medium is fed from inlet 6 into the culture vessel. The culture medium is atomized with the sterilized air in the nozzle 7 and the support 2 is intermittently or continuously sprayed with the medium. At the fungi formation stage, the feed of the culture medium is stopped, when needed, and only sterilized air is introduced to feed oxygen intermittently and continuously. The air is exhausted through the filter 9 from outlet 8. The humidity is optimally maintained through the moisture inlet pipe 10. The culture medium is recovered with pump 11 and reused. This pipe line is controlled by magnetic valves and manual valves and lighting apparatus 12 is set when desired.

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